

Testimony for House Energy Policy Committee Hearing
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Thank you Representatives for the opportunity to provide public comments/testimony with regard to the 5G Wireless Infrastructure bills here in Michigan. More specifically, I am referring to SB 637 and SB 894 and asking you to **OPPOSE THESE BILLS**.

It is my understanding that the responsibility of this Committee is to represent all constituents of Michigan, not just those in their districts. I am here to speak on behalf of the many constituents that may not be here today, but have significant concerns about these bills and to also represent other constituents who more than likely have not been privy to the dangers of this technology. Mainstream media, utility and telecommunications companies are aware of these dangers, but do not advertise them publicly. It would not be in their best "financial interests" to do so. However, I believe if more constituents were aware of these dangers, or correlated any of their health concerns potentially to wireless radiation exposure, you would hear from more of the public. I believe you will hear from more of them, in time. This is exactly how it happened with the tobacco industry. It took years before the public got sick, wised up and the industry had to "come clean" and acknowledge what they had known for years. Some would also correlate this sequence of events with the lead health crisis as well.

Since I have been present at several other Energy Policy Committee meetings and hearings in Lansing regarding Wireless Radiation (including Meter Choice bills like HB 4220), I know that this committee has much background on the dangers of wireless radiation exposure. There has been much testimony from affected citizens as well as experts that provided scientific based and Peer Reviewed studies for these harmful health effects. The most recent study (March 2018) from Researchers at the Ramazzini Institute confirms that Cell Tower Radiation is Linked to Cancer. These results are consistent with US National Toxicology Program Reports as well. These are only 2 of thousands of Peer-Reviewed studies that have been done on wireless radiation, by objective experts that come to the same conclusions.

"The evidence indicating wireless is carcinogenic has increased and can no longer be ignored," stated University of Toronto Dalla Lana School of Public Health Professor Emeritus Anthony B. Miller MD, Member of the Royal Colleges of Physicians of Canada and the UK, and Senior Medical Advisor to EHT who is also a long-term advisor to the World Health Organization.

Wireless radiation has been shown to break and damage DNA. These studies and results **CANNOT AND SHOULD NOT BE IGNORED** by this Committee. It is beyond my comprehension how anybody, especially elected officials entrusted to protect the people that voted for them, could turn a blind eye to this highly accredited scientific information.

Besides the dangerous health implications of the wireless radiation associated with technology and infrastructure imbedded in SB 637 and SB 894, there are also many other concerns that this 5G technology will certainly bring - Privacy, Energy Consumption, the Environmental Impact and Security to name a few others.

Regarding security:

"Bolting cybersecurity onto 5G infrastructure is a sure-fire way to create a very easily hacked network protocol that will be with us for the next 20 years," says Chris Pierson, founder and CEO of Binary Sun Cyber Risk Advisors.

Pierson also says that regardless of what type of security is built into the 5G protocols, the supply chain behind telecommunication components is a concern.

"Much of the backbone for the circuits, antennas, microprocessors, and other conductive equipment may be supplied by foreign entities and any potential exploit in protocols or weaknesses could be exploited," he says. "Protecting the supply chain and conducting third party assurance of these products will be a daunting task."

Further evidence of these security concerns is the fact that due to US Government pressure, both Verizon and AT&T have stopped offering a specific smart phone (Huawei's Mate 10 smartphone) due to security risks and potential link to foreign intelligence agencies (like China) gaining access to information.

Another alternative to SB 637 and SB 894 is to invest money into safer and more secure technology like fiber optics. Fiber Optics have a proven track record. As Committee Members, you can be the responsible leaders for making this happen for our great State of Michigan. We can make Michigan the National Leader in well-proven, more efficient, safe and secure technology.

In closing, there are many reasons this committee should **OPPOSE SB 637 and SB 894**. If you still have not committed to voting NO, I would ask you to think about this . . . Based on all the information you have heard and seen, (scientific based, peer reviewed, and constituent supported) what would be your motivation for **NOT** opposing these bills? I would ask you to think about that and ask that you put Public Health, Privacy and Security above all other factors.

I thank the Committee for your time and consideration.